

QUA • RAE

ERIE'S FINEST AMATEUR NEWSBULLETIN

VOL. II NO. 10

MAY 1971

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BUSINESS MEETING MAY 6 8:00 PM

ACTIVITIES MEETING MAY 10 Carl Mosley, WØFCY

CO-EDITORS

Mike Hall, WA3HSR 833-9649
Rick Robishaw, WA3LSY 864-1820

CONTRIBUTORS

Chuck Smith, W3ZLO 868-3138
Bob Bair, WA3HDK 725-9226
Chuck Manross, WA3KAI 455-8829
Goerge Dickey, K3VLP 833-7082

PHOTOGRAPHY

Chuck Kader, W3BVM
Ron Jakubowski, K3VXE

RADIO ASSOCIATION OF ERIE SERVING AREA AMATEURS OVER 25 YRS.

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ERIE, PA. 16505

JOIN THE "RELIABLE AMATEURS OF ERIE"

***** RAE MINUTES *****
April 1, 1971

The meeting was called to order at 8:15 PM by President, K3UPC.

Officers present: K3UPC, K3VXE, WA3MAU, WA3KAI.

Directors present: W3SN, W3KPM, K3VLP, WA3GIV and WA3HDK.

The minutes of the March 4, 1971 meeting were approved as noted. The new treasury balance of \$215.65, after paying bills, was also approved.

CORRESPONDENCE - The following correspondence was read by K3VXE.

- (1) A bill for flowers for Doc Sheldon, W3KLD.
- (2) Statement from Addressograph Co. on status of the account.
- (3) New amateur license applications (form #610).
- (4) Letter from Erie Mailing Systems wanting to handle the RAE's mailing needs.
- (5) Membership from WRA SCM Bob Gawryla, W3NEM.
- (6) Insurance policy from James Carter Insurance Co.
- (7) Acknowledgement of W3ZLO appointment by Harry McConaghy, W3EPC.
- (8) Copy of ECARS newsbulletin MONITOR.
- (9) Letter from Amateur Radio Editors Assoc. advising of servicer available to newsletter editors, etc. All information was turned over to WA3HSR for disposition.

K3UPC read a letter from K3VXE advising members of his obligation with the ROTC for duty and submitted his resignation effective April 16, 1971.

ACTIVITIES - K3VXE elaborated on the following upcoming activities.

- (1) April 17: RAE & LSARC combined auction at St. George Auditorium.
- (2) April 22: Mr. Al Dvorsky, chief engineer of acoustics, Astatic Corporation to talk on microphones at the Naval Reserve Center.
- (3) May ? - Still trying to obtain another out-of-town speaker.
WA3HSR reported that the WNY Hamfest at Rochester is scheduled for May 15 and is attended annually by Carl Mosley, WØFQY. Mike said there might be a chance of getting him to speak at a meeting on his way to the affair. (See announcement.)

COMMITTEES - WA3HSR reported that the April issue of QUA-RAE will be mailed out next week. The present mailing list is about the same as the March issue.

WA3HSR also reported that a few new memberships have been received this past month and there are about 110 members for 1971.

K3VLP advised letters will be sent out shortly on the Hamfest.

WA3GIV requested help and volunteers for the upcoming CD Drive-out, April 30. RAE will handle RTTY communications link.

W3KPM also reported on the drive-out. Tom thanked all those who helped clean up the EOC after the DX Contests. Dave Parmenter was also pleased with the RAE.

K3VXE had nothing to report on AREC activities at this time.

***** RAE MINUTES *****
(continued)

W3ZLO elaborated on the Repeater Committee Meeting held this past Sunday. Chuck advised that an antenna was recently purchased for the RAE repeater, however, they also had a possible donation of an antenna to contend with. W3ZLO also offered his services to all those who may need it on 2 meter conversions.

WA3HDK reported that most of the details on the auction were completed, however, volunteers are still needed as clerks and helpers.

WA3HSR gave the following preliminary ARRL DX Contest results:

Phone: 330 contacts, 40-10 meters, 132 countries, 132,000+ points.

CW: 50-60 contacts, 40-10 meters, 50 countries, 13,000+ points.

Above figures are not final but approximate.

WA3HSR stated that the RAE participation was a success, despite several problems, and the experience gained from its first entry would help towards a better entry next year.

Under Old Business, President, K3UPC informed the members of the new RAE letterhead and passed around a copy for review.

K3VLP sent a letter to the local DeMolay chapter advising them that the RAE would establish a communications booth at this year's state DeMolay convention in June.

Under New Business the upcoming RAE County expedition was discussed, and a motion was made by K3VLP "authorizing WA3HSR to check into printing costs for the county expedition certificates and report back to the members later." This motion was seconded by W3ZLO, was voted on and carried.

WA3HSR reminded everyone of Field Day, and indicated there were still openings on some bands for those who would like to participate this year.

There were 14 members and 2 guests present.

No bills were turned in for disposition.

A motion for adjournment was made at 9:15 PM by WA3GIV, seconded by WA3HSR, voted on and carried.

Respectfully submitted,
Chuck Manross, WA3KAI
Secretary, RAE

***** SSB *****

SALE, SWAP OR BUY

FOR SALE: Ameco TX-62 xmtr & companion 621 VFO - 6 & 2 meter AM and CW
Ameco CM-144 Nuvistor converter with 14 MHz output.
Original cartons and manuals

Call or write: Jerry Owens, K3KAP
RD# 2
Corry, Pa. 16407
664-7502

***** SALE, SWAP OR BUY *****
(continued)

FOR SALE: National NC-155 Amateur Receiver. 80-6 meters. Excellent condx in original carton
Used very little. Tunes AM, CW and SSB. \$65.00 or best offer.

CALL: Mrs. Walter Gardner 864-0841. Evenings after 5 PM.

FOR SALE: Mobile transmitter. 6 VDC/ 110 VAC Supply. Covers 80-10 meters. Xtal
controlled with VFO optional. 25 Watts. Built by W3MED. \$15.00

CALL OR WRITE: W. C. Gross, W8BKM
113 Edgewood Dr.
Conneaut, Ohio 44030
216-593-3275

FOR SALE: Selling out warehouse full of teletype and facsimile equipment and parts.
CHEAP!

CALL OR WRITE: C. B. Goodman & Co.
5826 So. Western Ave.
Chicago, Ill. 60636
312-GR2-8200

FOR SALE: DX-100 amateur xmtr. CW and AM Excellent condx. Extra tubes included and final
final tank. 80-10 meters. Stable VFO. Modified grid-block keying.
BC-779 Super-pro receiver. 100-400 KHz; 2.5-20 MHz. Excellent condx with
built in power supply in steel cabinet. Included 10 meter converter, 1 KHz
calibration. Excellent CW receiver.
Heath Twoer. Brand new. 2 xtals and relative pwr output meter added.

CALL: Frank Caravaglia, WA3NGC 838-2574 after 4 PM

QUA-RAE SSB adds get results. Want to buy or sell? Send one in now and get results?

RESULTS: 1971 ARRL DX CONTEST
RAE PARTICIPATION

This year was the first try for W3GV in a DX Contest. The location was at the Erie
County Civil Defense EOC, and an Invader 2000 was used on all bands from 40-10 meters.

40 meters	15 countries	21 QSOs
20 meters	12 countries	14 QSOs
15 meters	41 countries	94 QSOs
10 meters	63 countries	202 QSOs
TOTAL	4 bands	131 countries X 331 QSOs (3 pts. ea.) = 130,083 points

The CW sheet was sent to ARRL without a duplicate, but the bands were the same and
a score of just over 13,000 points was earned. Next year we hope to have an antenna
for 20 meters. This should improve the score. We would like to thank the Erie County
CD for the use of the facilities, and all those who took part. See you again next year.

MAY 1971

SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
						1 GEORGIA QSO PARTY
2 6 & 10 MTR NETS GEORGIA QSO PARTY	3 GEORGIA QSO PARTY	4	5	6 ^{Right again!} R.A.E. Business Meeting 8:00 PM	7	8 USSR (Russia) "CW" DX CONTEST
9 6 & 10 MTR NETS USSR (Russia) "CW" DX CONTEST	10 SPECIAL R.A.E. Activities Meeting with Carl Masley	11	12	13	14	15 BERMUDA PHONE CONTEST "PHONE" WORLD TELECOMMUNICATIONS "CW" CONTEST
16 NETS 6 & 10 MTR BERMUDA "PHONE" CONTEST	17	18	19	20	21	22 WORLD TELECOMMUNICATIONS "PHONE" CONTEST
23 NETS 6 & 10 MTR	24	25	26	27	28	29
30 NETS 6 & 10 MTR MEMORIAL DAY	31					

OTHER DATES TO "REMEMBER"

JUNE 4-7: CHC/FHC/HTH "QSO" PARTY

JUNE 18-19: W3GV Communications assistance at State DeMolay Convention.

JUNE 26-27: ARRL "FIELD DAY" COMPETITION.

JULY 24-25: COUNTY HUNTERS "CW" CONTEST.

OCT. 9-10: R.S.G.B. (BRITAIN) 28 MHz "PHONE" CONTEST

OCT. 19: R.A.E. ANNUAL "HAMFEST"

OCT. 30-31: CQ WORLDWIDE "PHONE" DX CONTEST

NOV. 27-28: CQ WORLDWIDE "CW" DX CONTEST

***** TRANSMITTER HUNT SCORES *****

Since the resumption of the transmitter hunts in March, we have seen an increase of thinking by the hidden transmitter resulting in higher milages for the hunting mobile and a rise of sneaky clues to throw everyone off. Hidden for March were K3PLV and W3ALD. The combination of W3HLM and his loop with K3VLP navigating, seem to be invincible this year. Don made is way in from West Springfield and found the transmitters at the Pennsylvania Gas Building across from WWYN towers before WA3HSR and chief navigator WA3LSY got on the right side of town. The position gave them a clear look at Robinson Road and they could see everyone pulling into the WWYN place easily. The April hunt held several surprises for both bands. W3HLM with K3VLP thinking up the clues and K3ATZ combined on a real test. It seems that they were north of I-90 and west of State, and had a very good view of the city. Sounds like someplace in Kearsarge doesn't it. Well keep guessing. As the mobiles gas began to run low, the let out with another clue, they could see many radio towers. This led Rick, WA3LSY halfway to Waterford before he knew any better. Brownie, K3QAY was being harrassed by signals from K3ATZ that were "too strong all over." Finally came the clincher when they announced that they were north of 12th St. Perhaps you've guessed by now that the only place north of 12th that there was a good view of the city and where one could see radio towers was the Peninsula. Well, you're right. Parked on the bay side of the Marina were two strange looking vehicles with wings.

It seems K3QAY refused to take the advice of K3ATZ and remove his antenna and went home. K3PLV raced in to beat WA3LSY while WA3HSR was looking around at the Perry Monument. Dave, WA3EZN lost a muffler trying to take a short cut across the bay, while the mobile of WA3HSR was minus a couple of tailpipe hangers. The April hunt produced some of the most fun and a good turnout was made. Hidden transmitters in May will be K3PLV and W3ALD. Why don't some of the other mobiles around town get in on the fun. Next hunt is Sunday, May 16 at 6:30 PM. This years scores are as follows:

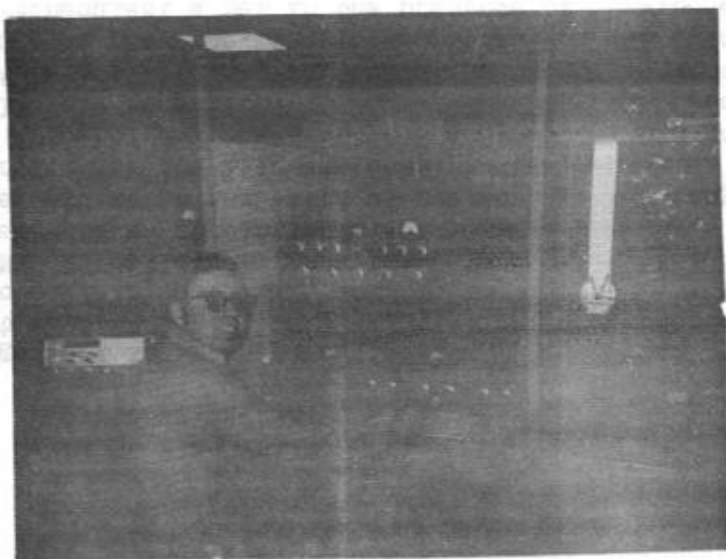
<u>10 METERS</u>		<u>6 METERS</u>	
W3HLM	44	W3ALD	40
K3PLV	30	K3ATZ	25
WA3HSR	19	K3QAY	20
K3VXE	10	WA3ISN	9
WA3LSY	6	WA3EZN	5
K3VLP	4		
WA3GIV	1		
WA3GUL	1		

All amateurs in the Erie County area are urged to be ready for a Field Day Contest between each of the four amateur radio clubs in the County. The final rules of the contest will be published as soon as they are finalized. The four clubs in Erie County are: The Radio Association of Erie, Inc.; Presque-Isle Amateur Radio Club; Lake Shore Amateur Radio Club and the Corry Amateur Radio Club. If cooperation between the clubs is desired, it must begin with the members. Here is the perfect chance.



Here's what it looked like behind the mike of one of the most powerful voices of "3-land" during the ARRL DX Phone Contests in February and March. At the mike is Ron Jakubowski, K3VXE, taking a break. W3GV worked 131 countries and scored over 130,000 points. Thanks goes to all who helped out.

Due to the lack of good contest CW ops, Mike Hall, WA3HSR agreed to handle some of the load. Even though the score of over 13,000 points was a bit disappointing, those who participated gained much skill in operating CW during a contest. Maybe next year the score will be better with the year of experience.



During several weekends in the month of March, this was the other side of the NCS on the Lake Erie Emergency Net. This neat layout is also at the Emergency Operating Center of Civil Defense. K3VXE who was NCS for March will soon leave Erie for a tour of duty with Uncle Sam. Nice job Ron!

The CD 23rd Psalm
Courtesey WA2DRH

REPEATED...repeated...

George Hart is my sheperd, I shall
not want.
He scheduleth me to take traffic to
EAN. He calleth me thru the QRM.
He reneweth my appointments.
He leadeth me in the paths of public
service for the League's sake.
Yea, though I may check in to ECARS,
I will fear no evil.
For thou art with me, thy bulletins
and code practice, they comfort me.
Thou schedulest a net in the presence of
the QRM; thou awardest my station
with BPLs; my traffic total runneth
over.
Surley good operating practices shall
follow me all the days of my life;
and I will dwell in the midst of
A-1 Ops forever.

Ish jusst a littel ol' weddin', anmn I'm
headed home.

RYRYRYRYRYERYERYERAERY.....

Murphy-and his d... laws.

Did you hear about the indian who
discovered a way to add electricity
to outhouse's?
I guess he was the first redskin to
wire a head for reservations!

* * * * * Assistant Directors Notebook * * * * *

The following items are submitted for the QUA-RAE from various sources.

Some of the results are in on the questionnaire that was sent out a few weeks ago.
A license-class breakdown of the 390 responses goes as follows:

Extra	10.72%
Advanced	29.65
General	29.39
Conditional	6.60
Technician	10.72
Novice	12.92

26 persons not currently licensed also responded.

The average age of those responding is 36.8, less than that of the entire amateur
body which is about 42. The basic results do not differ greatly from a similar
survey taken in 1958 which indicates that we Hams are pretty conservative.

There has been some confusion about the time frame within which a volunteer
examiner was obliged to return an examination envelope. FCC has now cleared up
the matter with a minor rules change effective immediately: Section 97.29(b) (3)
now reads, "The examinations papers, either completed or unopened in the event the
examination is not taken, shall be returned by the volunteer examiner to the
Commission's office at Gettysburg, Pennsylvania, no later than 30 days after the
date the papers are mailed by the Commission (the date of mailing is normally stamped
by the Commission on the outside of the examination envelope)."

Assistant Director's Notebook cont.

Remember to report your station activity to your SCM each month. The more you give him to report on, the more Erie gets known.

73's
Chuck

***** Care and Feeding of the Repeater *****

Do you know what a COR jumper is? How about a Zipper filter or a Hanger, or even a Puff, or the T.I. Theory. By now those who use the repeater often have included these words in their everyday slang. Most of these belong with Machine(repeater), COR, Byrd, Tweek, and Dump it in, Fred.

For those who, by now are completely confused, a COR jumper is a protective device used to lock out an interfering signal of QSO for a period of time, usually manually controlled. A Zipper filter is a low pass filter used to strip off a low frequency tone or tones for repeater use. It is a different type of filter resembling a crossover network allowing normal audio free passage to the repeater, but stripping off the under 300 cycle information and using it. Hanger is a slow to release tube of relay used in CORs or autopatch. A Puff is a Picofarad and the T.I. Theory is the one most of us use(Try It).

Well, enough of this fooling around and down to the business of reporting activity and progress on the Machine.

94 is alive with tropo-scatter and other weird things most warm nights. They all too often turn out quite interesting. For example, back in the beginning of the month when the weather was warm, W2SB Dunkirk, VE3KSR and the mobiles in 8-land all sounded like locals, direct on 94. You couldn't check out a rig if you wanted to. Conditions were so bad after that, we decided to speed up the moving of the receiver site, so a few more "flea clips" were ordered and a push was made to get the link up and going so the receiver could be moved. Meanwhile, new CORs were built, a 250 watt final was procured, a 19 receiver was tuned up and the switch was made-first the 34. WOW! What a site! Ashtabula mobiles were coming through like crazy. The first QSO from that site was a W2 mobile who with a HR2 got access just north of Edinboro and talked just out of Northeast where he picked up W2sb. Now we had a repeater! But late one night when some tests were being run-the TPL got a headache and blew the RF transistor. This took the repeater down for its first major case of trouble. After 2 days of worry and frantic searching for a replacement it was discovered a 1R 18 gave us more than enough gain. Now we have a Repeater!

Planned for this month is the addition of 19 and a 79 command output along with the ability to command on 250 watts. The regular output will be increased to 30 watts shortly.

I could go on and on with other things but there just isn't room. For those who aren't converted to 34-94 yet-you are really missing a thrill. This is where the real action is.

73's
Chuck

***** MAY SPECTACULAR
 MAY ACTIVITIES SPECTACULAR *****
 MAY SPECTACULAR

On Monday, MAY, 10, 1971 Mr. Carl E. Mosley, W0FQY, President and Manager of Mosley Electronics of Bridgeton, Missouri, will be in Erie to speak at City Council Chambers. The meeting will be under way at 7:30 PM.

Mosley Electronics is a leader in the design and production of amateur radio antennas. For many years, it has supplied the military with antennas, which speaks well of their performance. Carl helped his company grow from a one-man operation in a basement to a million dollar industry. Mosley has spoken before thousands of people over the country and his visit to Erie is expected to be no less enjoyable.

Carl will be in town to discuss business with local distributors and will speak as a climax in the evening. It is hoped that all interested persons will find it possible to attend this meeting. If you know of a friend that would like to attend, remind him. Plenty of parking will be available on South Park Row and door prizes will be given away. See you there.

***** STRAYS *****
 DE QUA-RAE STAFF

WB5AUS Carl, of Texarkana paid a surprise visit to WA3GIV on a recent trip into Erie. Carl (ex WA3COO) attended a meeting at the General Electric.

WA3ISN It is reported that Rick has a unique way of curing the bandswitch problem in his HW-100.

WA3GMV McDowell ARC's newly acquired HW-101 is said to be doing a fine job.

WN3QVC Welcome Chris Hopkins to the Novice ranks. He has helped the RAE with the Auction and is already experienced in transmitter hunts with K3PLV and WA3LSY.

WA3HPG John is said to have been badly sunburned on his recent honeymoon to the Atlantic Islands.

K3VXE Ron will be using ECARS for trying to get into Erie from Ft. Belvoir, Va. Keep a listen for him.

WA9EZF Irene helped with relaying calls during a county expedition to southwestern New York State. A WB6 even relayed W3GV into KL7 land!

WN3QAT Barry acquired a G-76 at the 1971 auction. Hope you get a lot of use out of it Barry.

WA3JFV Steve is reported to be on the look-out for a linear.

W2CFP Dave Flinn of ECARS gave his recent trip to Erie a nice write-up in the MONITOR. Send Dave your \$3.00 and join up.

W3KPJ Hank reports that Erie County is only 14 AREC members behind Allegheny County, the largest county in the WPA Section. Hank wants to have Erie No.1. AREC applications can be obtained at any RAE meeting or from Hank.

***** STRAYS *****
(continued)

W3ZB M. J. Boho of Edinboro enjoyed meeting some of the fellows at the auction.

W3MCM Chuck has been seen regularly at RAE meetings recently. Maybe its time for Chuck to bring the rig out of dust.

WA3MAU Joe is ready to put up his 40 meter dipole along with his six meter beam, but still needs a rig to use it on.

WA3PJL Larry's powerful two meter signal has been reported from all parts of Erie County. That 75 foot tower helps.

K3WTZ Bob and his QTH and Tower will be the receiving site for the 34/94 repeater for the time being. He has recently been reported on 450 MHz.

WA3KAI Thanks goes to Chuck's wife, Dot, KNP 0529, for her help in getting all the refreshments for the Auction.

K3VBF Lowell was NCS for LEEN during April. He did a fine job at the slot after a few years absence. Look for K3VLP as NCS next month.

K3AFO We all express our sympathies to John and his wife Nancy after the untimely death of Nancy's sister Margaret.

K3TUP John must have that linear on full power during the LEEN.

WA3OOT Ed has been having a good 10 Meter mobile signal from New York State recently.

WN2KOL John, from Ashville, N. Y. was the lucky winner of a soldering gun at the Auction.

WA3MKT Rick's new address is: AB Rick Cutter FR168-44-9257; CMR NO.6 SQ3704 FLT0267; Lackland AFB, Texas 78236.

W3ZLO Chuck has been busy running counties for the CHC/FHC Net on 75 meters.

W3GV The RAE needs only a QSO with Hawaii, KH6, and it will have a WAS on 75 meters during its many county expeditions.

WA3LSY RAE welcomes Rick as new co-editor. Rick recently acquired an HW-101.

WA3LKR Since Brad received his General ticket, he has been less active on the bands.

WA3AWB Bing has been finding many new uses for his two FM handi-talkie.

WA3JJT Steve can be seen working around Warren Radio on weekends. He is said to have been enjoying the last month of school in Erie.

WA3HSR Mike will soon be 80-10 mobile as soon as he gets a set of Hustlers and a decent car!

***** STRAYS *****
(continued)

- WA3HRJ The RAE hopes Jim will be operating 6 meters during Field Day this year. Jim has helped get a good score many times in the past.
- W3LKJ Thanks go to George again for helping out during the CD Drive out this year. George relayed some messages from the group in Corry to Red Cross in Erie.
- W3BVM Chuck is reported to be sharpening up on his photography for the QUA-RAE now that we have some good reproduction.
- WA3GUL Rick will be working on his 5BDXCC this summer. He already has 5BWAS.
- W3KPM Tom will report on the CD Drive-out at the May 6 business. All RTTY run from the COM Truck was received nearly 100% at W3ENP.
- WØYLN Clyde will be covering advance publicity for RAE County expeditions in his printing of the monthly newsbulletin for the Mobile Amateur Radio Awards Club.
- W3SN Bart is said to be getting ready for this fall and a new batch of prospective Novices in hi code and theory classes.

CONTRIBUTIONS TO "STRAYS" ARE WELCOMED BY THE QUA-RAE.

The WNY Hamfest at Rochester is scheduled for May 15. Advance registration is \$6.75 per person and \$7.75 at the door. If you are planning to attend. Send your advance registration to K3VLP by Thursday, May 6, 1971 and he will send them in together to assure table reservations for the entire Erie group. You may also send them via the RAE. You may also register at the Business meeting on May 6 and still get to sit at the Erie table. If you can attend, let's try and go and make a good showing for the Erie area and see how a truly fine Hamfest is run.

The Final Final

The QUA-RAE now has a new co-editor in the person of Rick Robishaw, WA3LSY. Rick takes over the spot recently vacated by K3VXE. We are certain that Rick will prove to be very capable.

As another reminder to QUA-RAE readers, the QUA-RAE Writer Award still has no takers. This award, to be presented at the Hamfest in October, will go to the non-staff writer who has contributed the best article. Since the competition appears to be nonexistent, all it may take is one article to decide the award. Lets hear from you.

With the improved reproduction of pictures, the QUA-RAE will soon reach the ultimate issue. It will be our combined efforts that will help produce it. We will strive to keep the QUA-RAE getting better each issue. We hope to see a good crowd at the Special May Activities Meeting for Carl Mosley, WØFQY. We encourage everyone to attend and bring along a friend. The planned local contest for Field Day stations seems to be a step in the right direction of bringing a degree of cooperation between the clubs of Erie County. These clubs will be able to have a better chance of local recognition than if they merely participated and were listed with the multitude in QST. We are looking forward to the date.